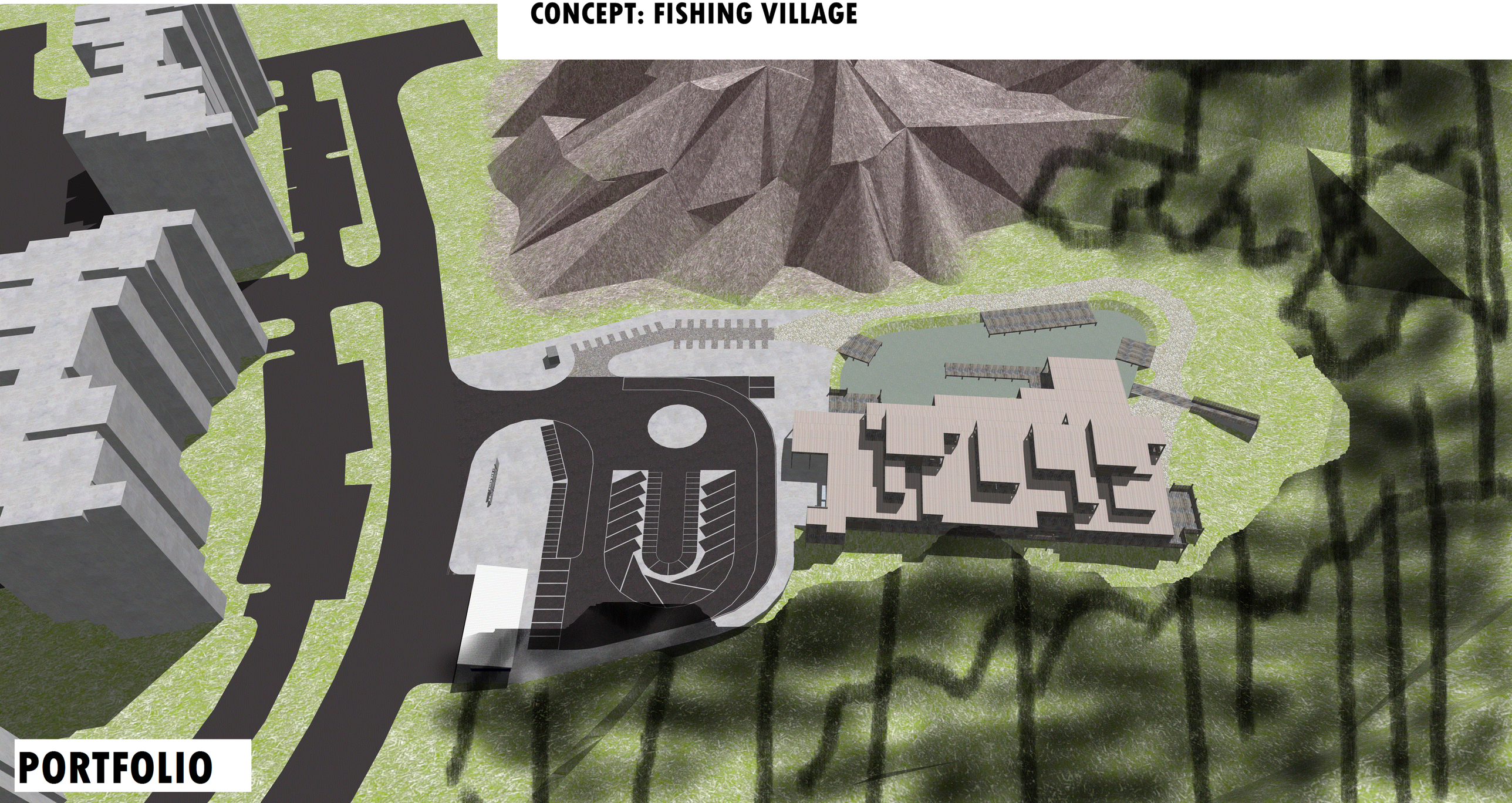
WHO ARE YOU?
NAME: ABDUL QAYYUM BIN ABD MUIS
NO. MTX.: 2012866698
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BDR. BRU. BANGI, SEL.
COURSE: DESIGN VI
SESSION: SEPT. 2016 - JAN. 2017

STUDIO LDR.: SHARIFAH ASMAH TUAN MAT
TUTOR: ASOC. PROF. HJ. AHMAD RIDZWAN OTHMAN
ADDITIONAL INSTRUCTORS | AR. ABDULLAH SHAHDAN
TUAN HJ. ABU BAKAR RAUB
EN. JASMIN ABDULLAH
AR. MOHD ALJEFRI HUSSIN
AR. MOHAMAD MOKHTAR ABDULLAH
AR. SUHAILA MAT ABAS
CONCEPT: FISHING VILLAGE



PORTFOLIO

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BY: ABDUL QAYYUM

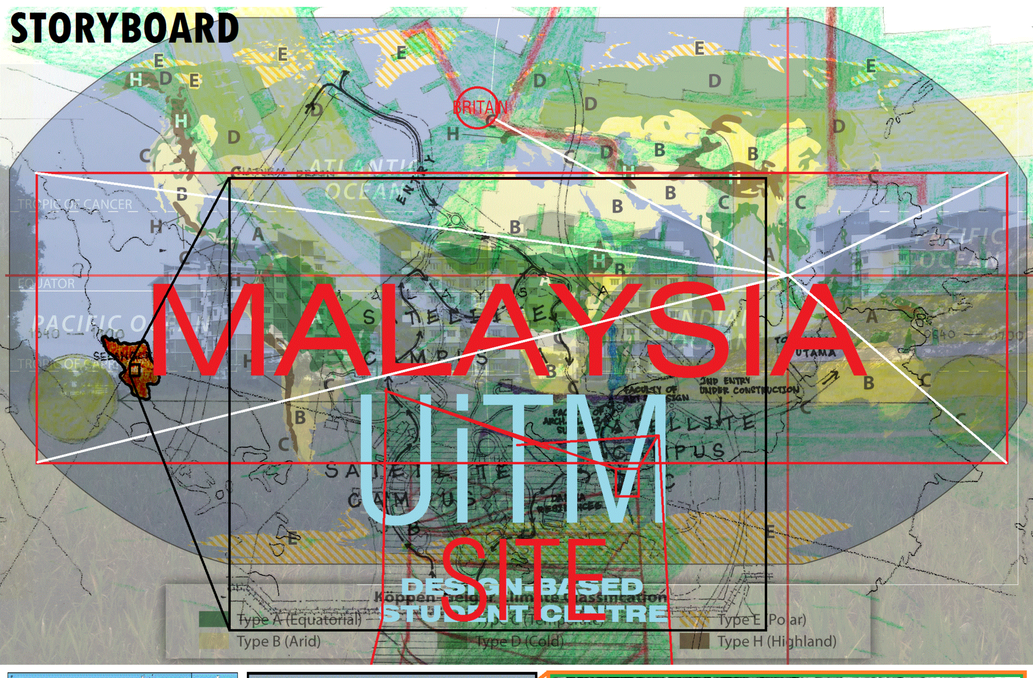
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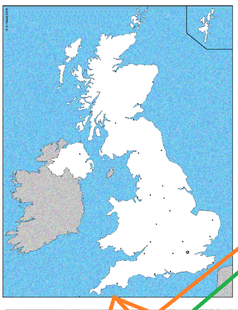
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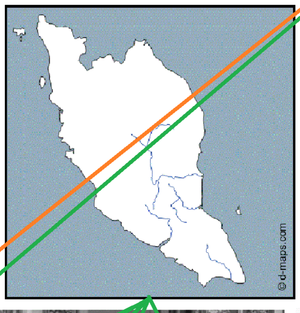
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CONCEPT: FISHING VILLAGE

STORYBOARD

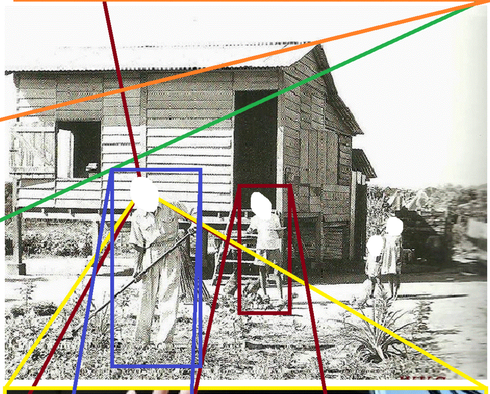


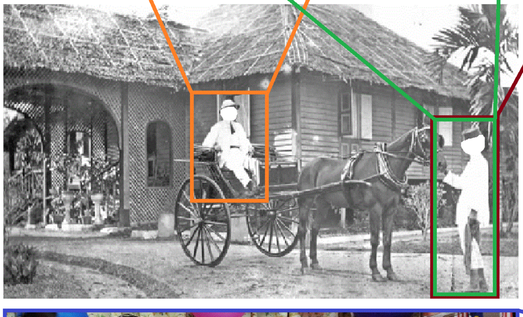


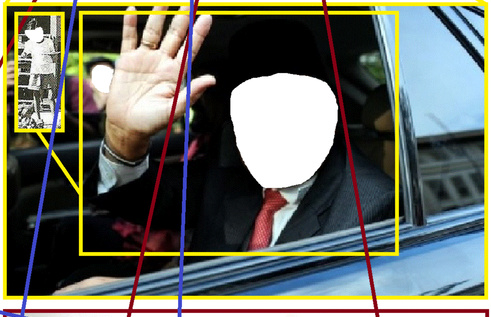


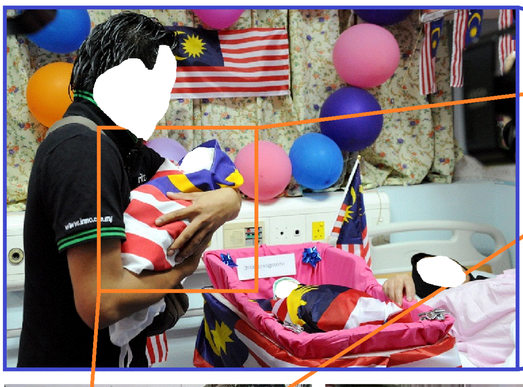


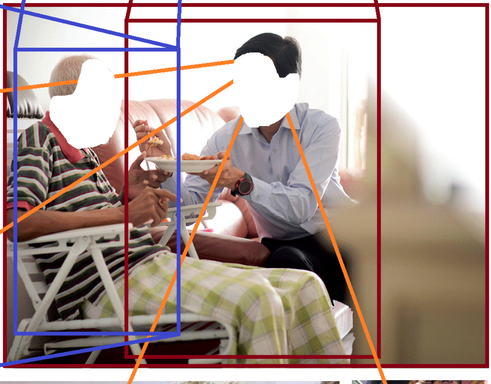


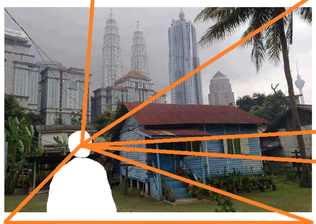


















Y1'

Y2

74°

Boundary line

97°

94°

15.2m Setback line

67013.1729 mm

195°

Boundary line

6.1m Setback line

57518.4929 mm

6.1m Setback line

Boundary line

114924.9775 mm

142°

113°

6.1m Setback line

Boundary line

85438.3065 mm

59310.0176 mm

85°

X1

X1'

X2'

X2

Y1

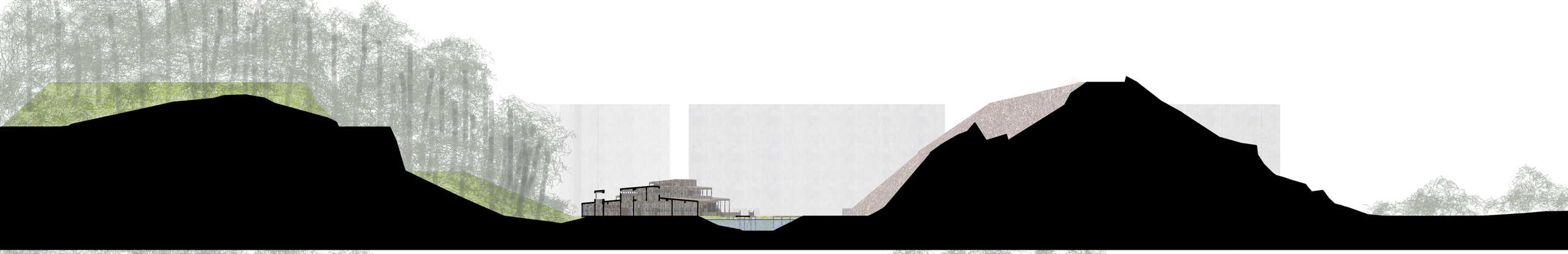
Y2'

SITE PLAN

SCALE: 1mm : 1000mm

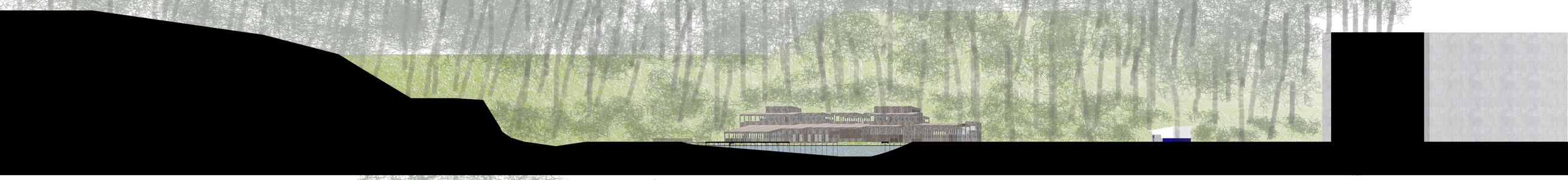
N

Q



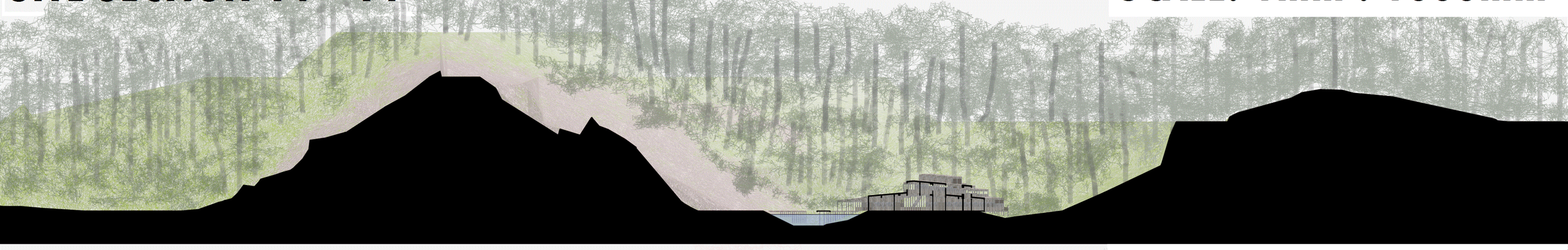
SITE SECTION X1 - X1'

SCALE: 1mm : 1000mm



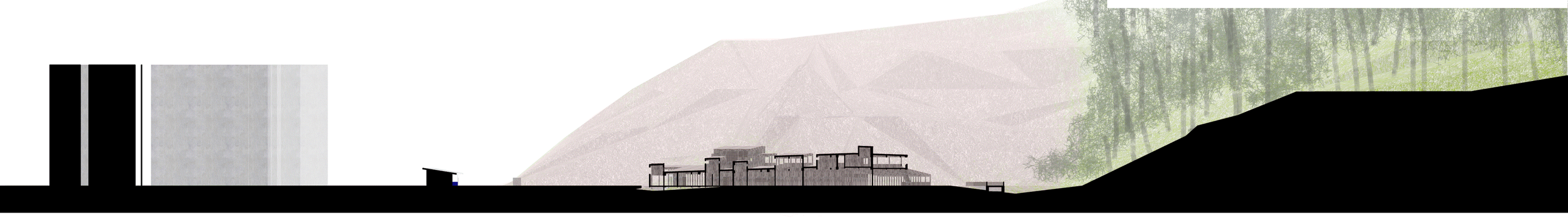
SITE SECTION Y1 - Y1'

SCALE: 1mm : 1000mm



SITE SECTION X2 - X2'

SCALE: 1mm : 1000mm



SITE SECTION Y2 - Y2'

SCALE: 1mm : 1000mm

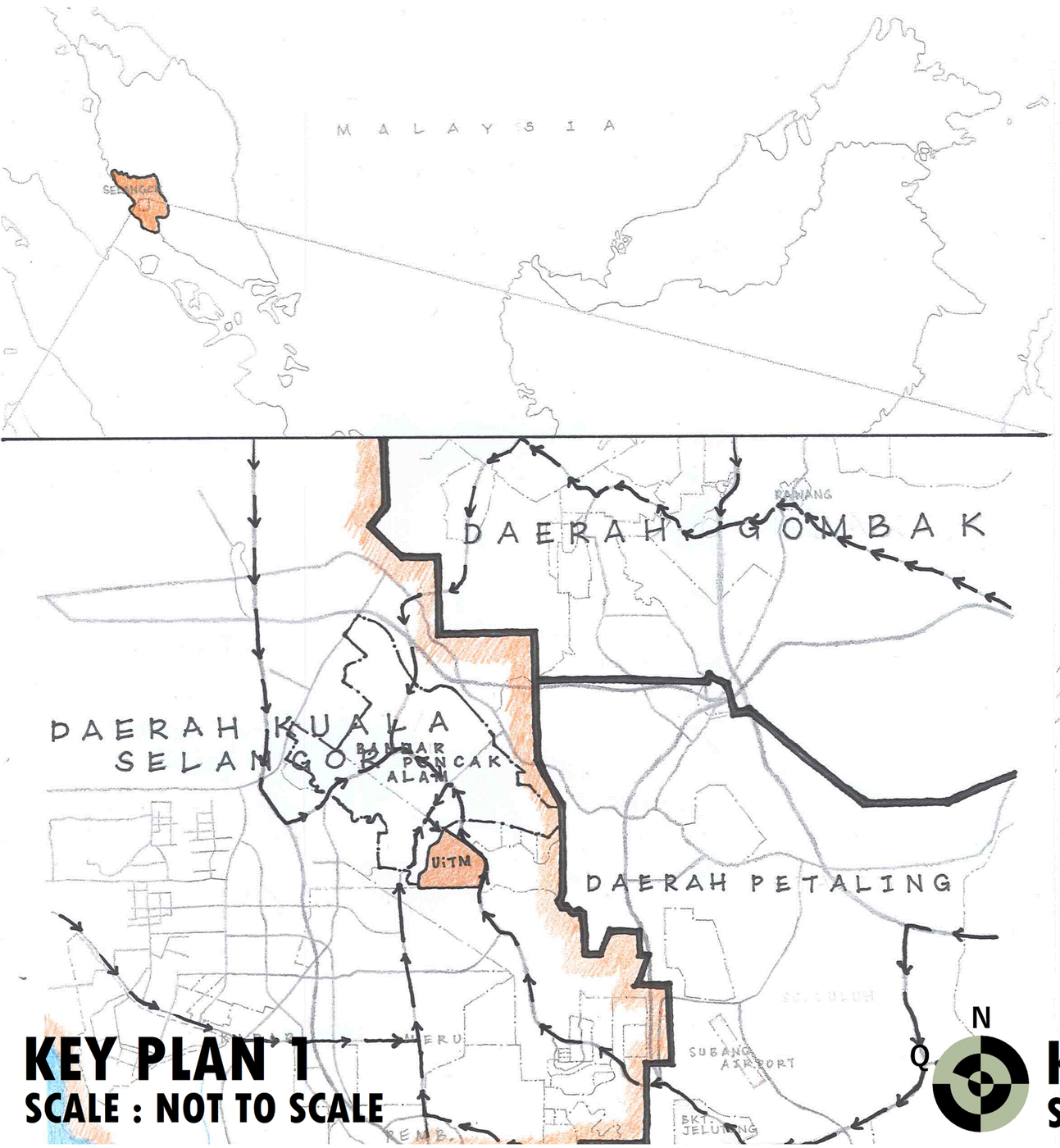
STRIP NO.

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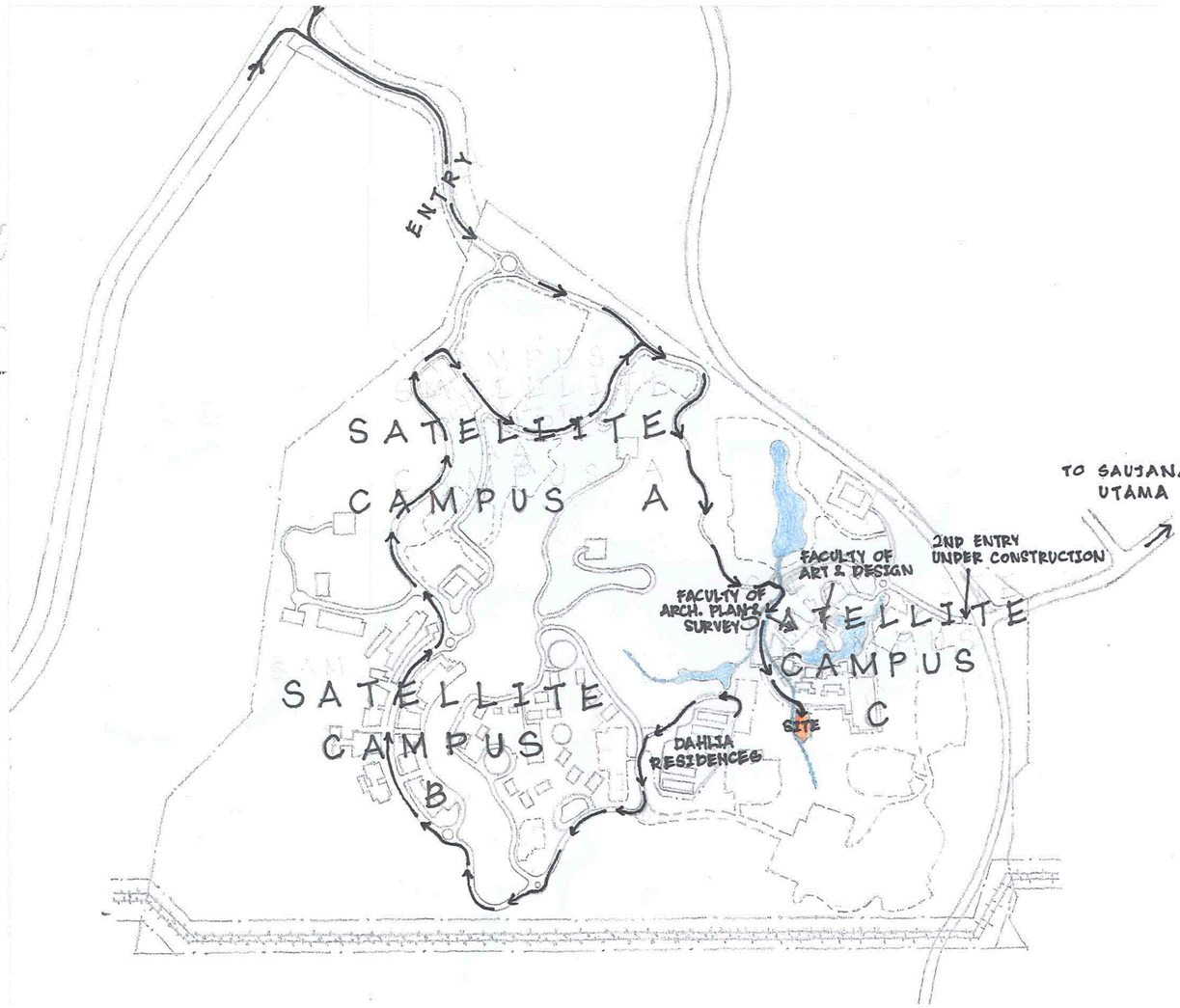
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CONCEPT: FISHING VILLAGE



KEY PLAN 1
SCALE : NOT TO SCALE



KEY PLAN 2
SCALE: NOT TO SCALE

LOCATION PLAN

SCALE: 1mm : 2000mm

Kolam Takungan Air

PEJABAT PENYELENGGARAAN

PUMP HOUSE

SPRINKLER TANK

SUCTION TANK

SUCTION TANK

LIMIT OF WORK

MINI PERPUSTAKAAN

PLAZA

RETENTION LAKE

RETENTION LAKE

BLOK ASRAMA

SURAU

MEDAN SELERA

PEJ KOLEJ

PUSAT PELAJAR

BLOK ASRAMA

BLOK ASRAMA

SUBSTATION 3

LIMIT OF WORK

STP ZONE B
9000 PE
LUAS = 1.71 EKAR

Jalan Dalaman 24'

F.G.L. 85.98

F.G.L. 91.40

F.G.L. 90.80

F.G.L. 83.60

F.G.L. 85.00

F.G.L. 97.00

Pos Pengawal

9 tingkat

ASRAMA PELAJAR
10 tingkat

9 tingkat

SUCTION TANK

GELANGGANG SERBAGUNA

Kemudahan Pelajar

GELANGGANG BADMINTON

SUCTION TANK

BLOK ASRAMA

KAFETERIA

BLOK ASRAMA

BLOK ASRAMA

SURAU

S I T E

KEDIAMAN KAKITANGAN KAMPUS

Faku
da

N

STRIP NO.

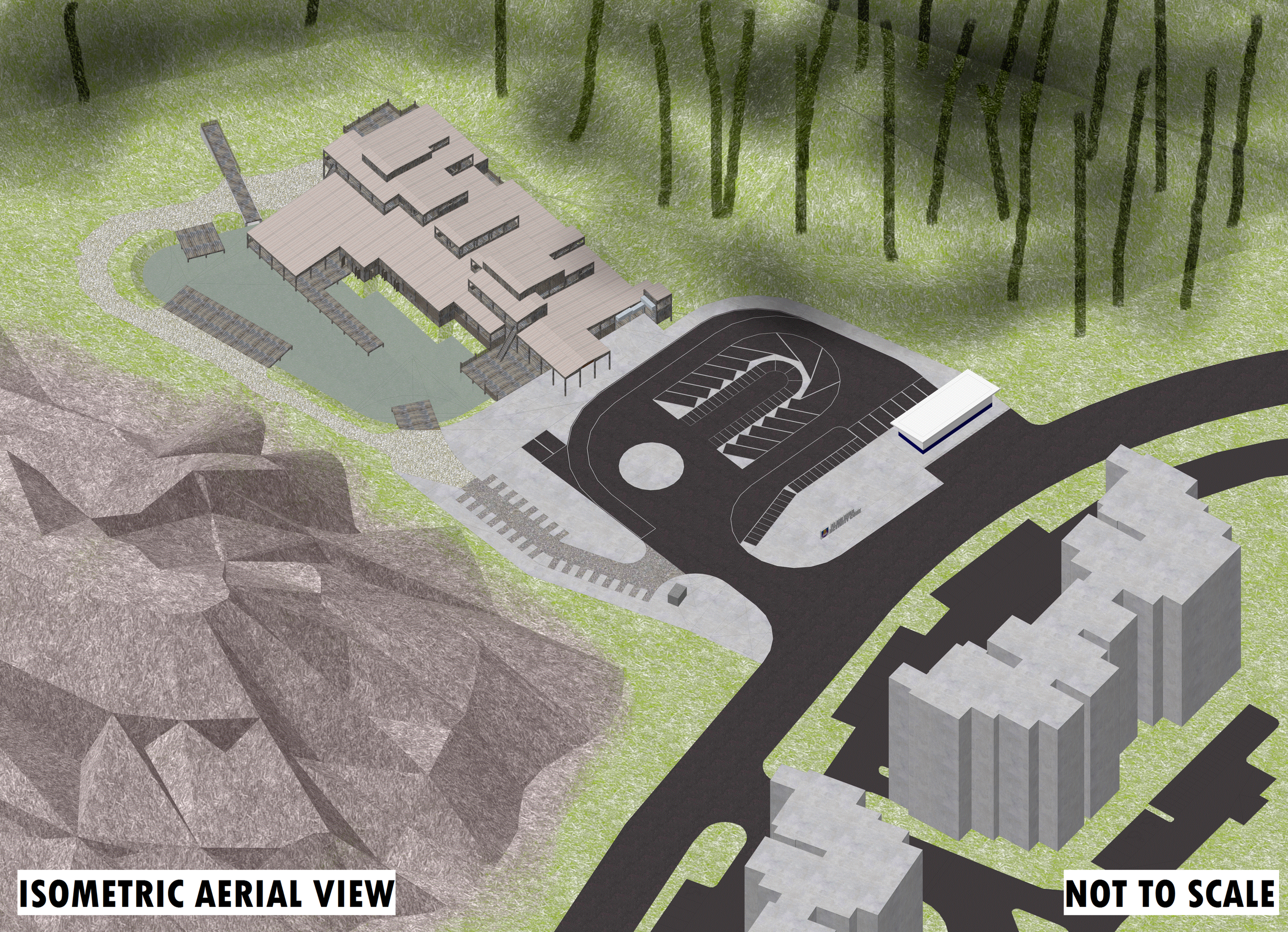
3

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AERIAL VIEW


ISOMETRIC AERIAL VIEW
NOT TO SCALE



FRONT AND LEFT SIDE VIEW



FRONT AND RIGHT SIDE VIEW



BACK AND RIGHT SIDE VIEW

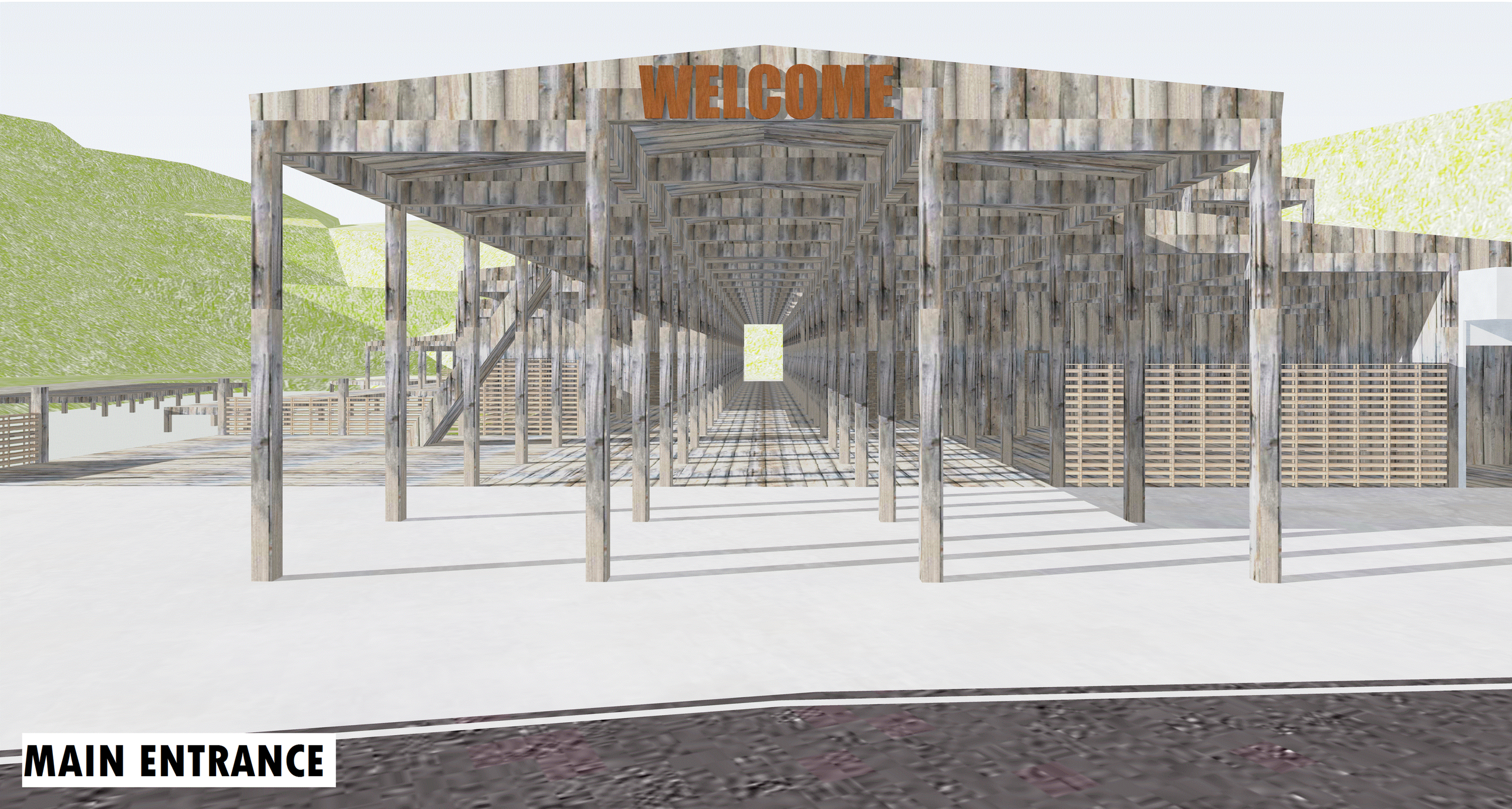
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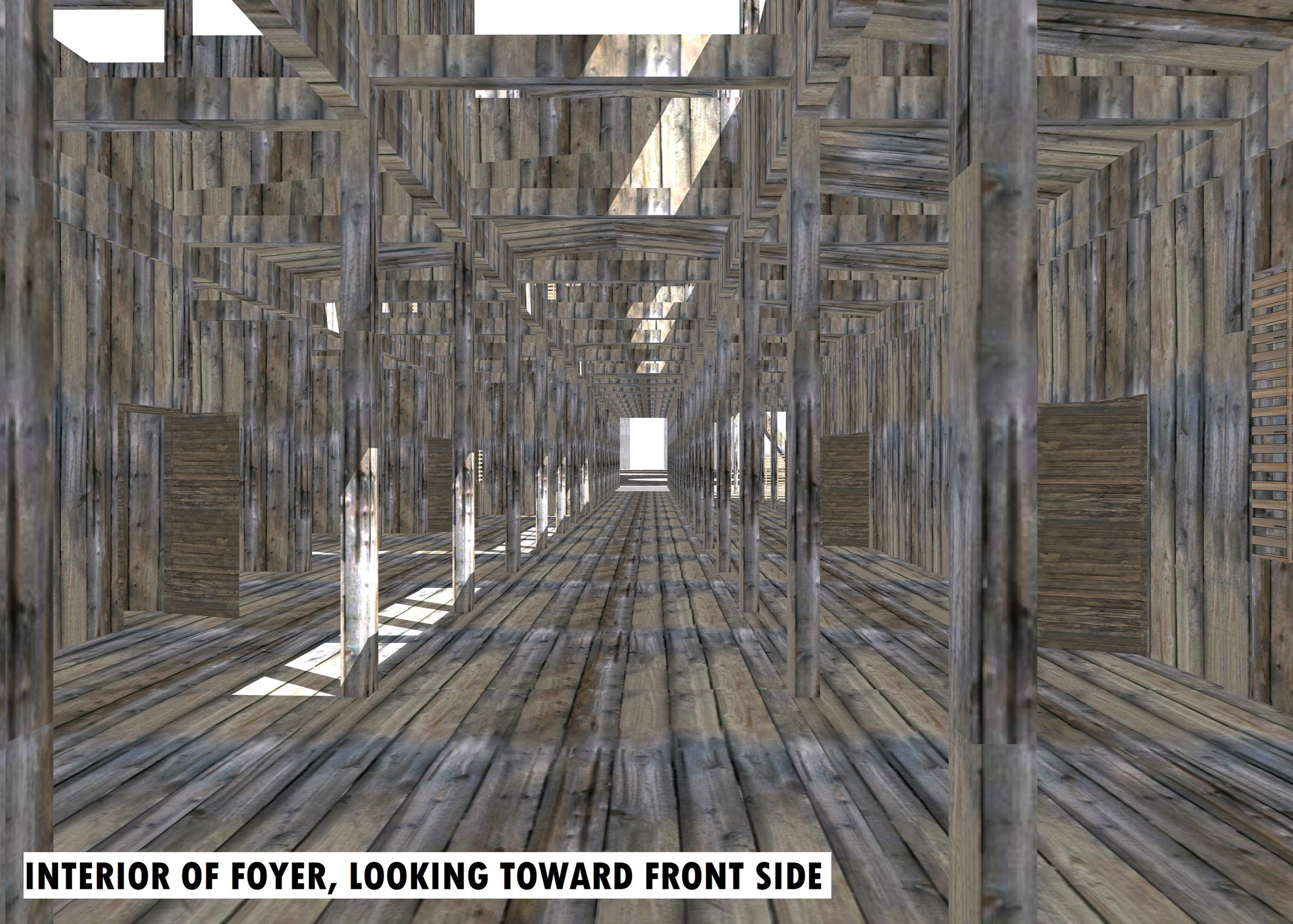
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CONCEPT: FISHING VILLAGE



MAIN ENTRANCE



INTERIOR OF FOYER, LOOKING TOWARD FRONT SIDE

INSIDE OPEN WORKSHOP, LOOKING TOWARDS BACK SIDE

OUTDOOR FOYER, SHOWING OPEN WORKSHOP AND FISHING POND

STRIP NO.

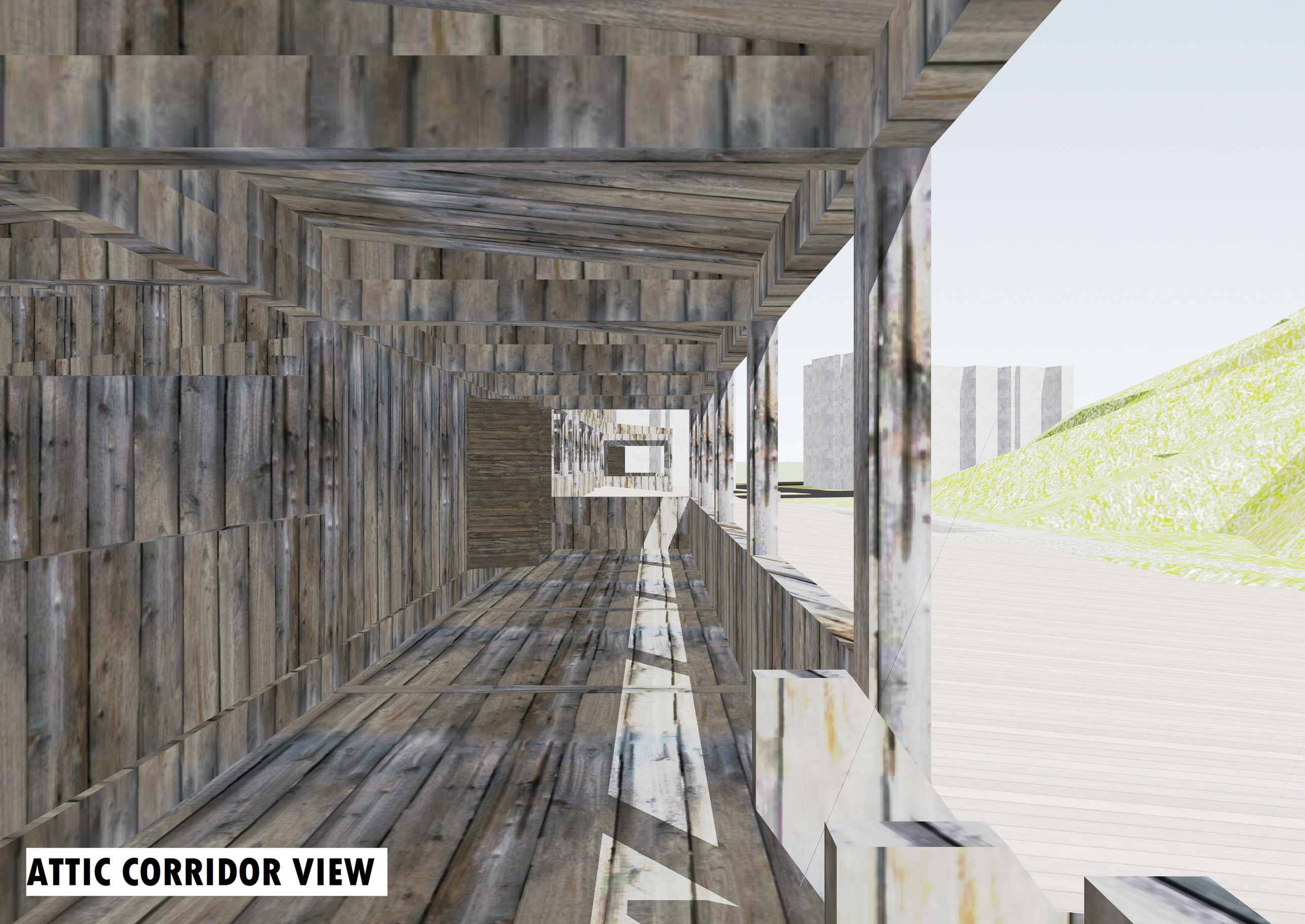
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BACK SIDE VIEW, SHOWING STAIR TO ATTIC



ATTIC CORRIDOR VIEW

GROUND FLOOR STRUCTURAL ISOMETRIC

NOT TO SCALE



ATTIC STRUCTURAL ISOMETRIC

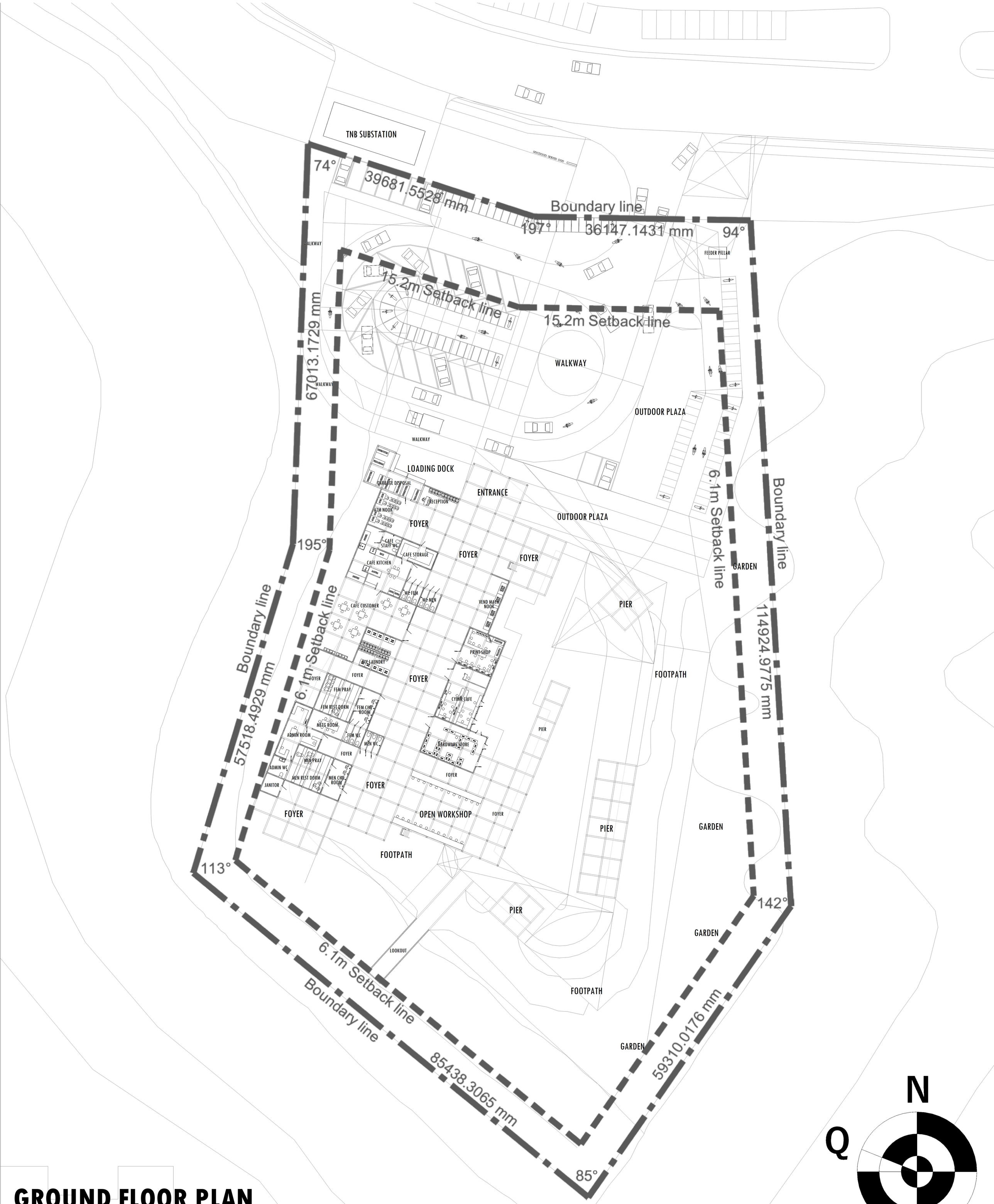
NOT TO SCALE

STRIP NO.

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CONCEPT: FISHING VILLAGE



GROUND FLOOR PLAN

SCALE: 1mm : 400mm

QUANTIFICATION OF EXPECTED USERS IN SITE

YARDSTICK DENSITY

1 pax = 2.5 m X 2.5 m
= 6.25 m^2

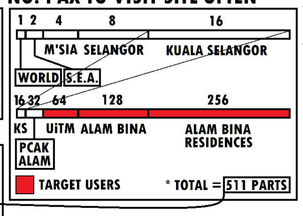
$\frac{2500\ m^2}{6.25\ m^2}$ = 400 pax

NO. OF TARGET USERS

$\frac{400\ pax}{511\ parts}$ = 0.78 pax / part

(64 + 128 + 256) X 0.78
= 350 pax TARGET USERS

NO. PAX TO VISIT SITE OFTEN



PAX PER SPACE?

$\frac{350\ pax}{20\ spaces}$ = 17.5 pax/space
≈ 20 pax/space

CAR PARKS?

1 car = 5 pax

$\frac{400\ pax}{5\ pax}$ = 80 car parks

However, studio leader limits car parks to 20 nos.

MOTORCYCLE PARKS?

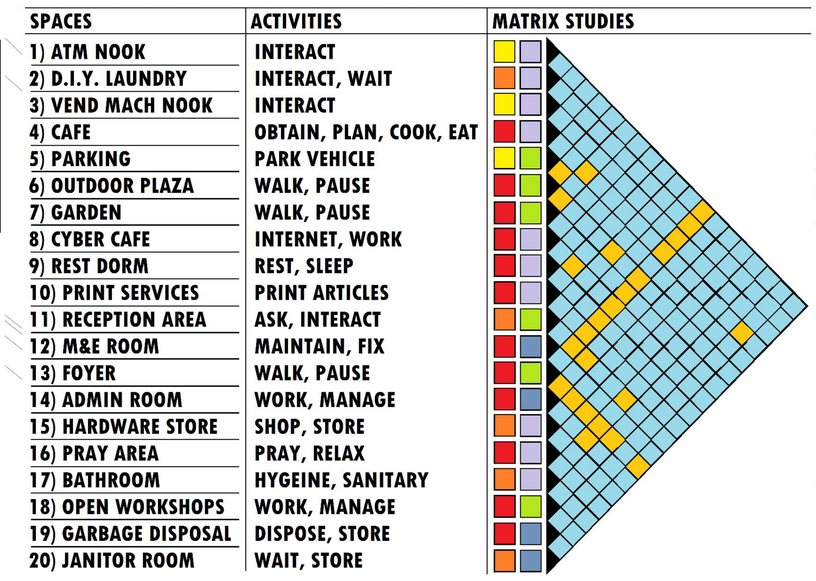
400 pax - (20 cars X 5 pax)
= 300 pax remain.

300 pax - 200 pax
(not target users)
= 100 pax target users

1 cycle = 1 pax
100 pax = 100 parks

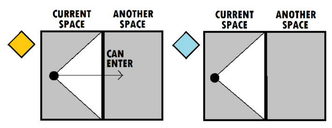
STRATIFY SPACES INTO SPACE RELATIONS BY ACTIVITY MATRIX STUDIES

SPACES	ACTIVITIES
1) ATM NOOK	INTERACT
2) D.I.Y. LAUNDRY	INTERACT, WAIT
3) VEND MACH NOOK	INTERACT
4) CAFE	OBTAIN, PLAN, COOK, EAT
5) PARKING	PARK VEHICLE
6) OUTDOOR PLAZA	WALK, PAUSE
7) GARDEN	WALK, PAUSE
8) CYBER CAFE	INTERNET, WORK
9) REST DORM	REST, SLEEP
10) PRINT SERVICES	PRINT ARTICLES
11) RECEPTION AREA	ASK, INTERACT
12) M&E ROOM	MAINTAIN, FIX
13) FOYER	WALK, PAUSE
14) ADMIN ROOM	WORK, MANAGE
15) HARDWARE STORE	SHOP, STORE
16) PRAY AREA	PRAY, RELAX
17) BATHROOM	HYGEINE, SANITARY
18) OPEN WORKSHOPS	WORK, MANAGE
19) GARBAGE DISPOSAL	DISPOSE, STORE
20) JANITOR ROOM	WAIT, STORE



LEGEND

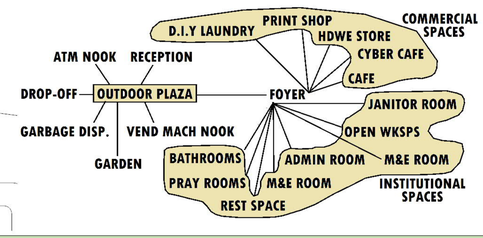
- 0 MINS TO 15 MINS
- 15 MINS TO 1 HR
- 1 HR TO 16 HRS
- PUBLIC
- SEMI-PUBLIC
- PRIVATE



MISC.

* OPERATING HOURS = 16 HRS ONLY
= 24 HRS - 8 HRS SLEEP
* IN WEEKDAYS, PERSONAL TIME IS 4 HRS MAX.
REASON: 7 AM - 8 AM, 6 PM - 7 PM, 9 PM - 11 PM FREE

ASSEMBLE SPACES GIVEN SPACE RELATIONS



SCHEDULE OF ACCOMMODATION

INSTITUTIONAL

NO.	SPACES	MAX. PAX.	AREA IN DESIGN (m^2)
1	RECEPTION	20	18
2	FOYER		989
3	WC (MALE)	6	18
4	WC (FEMALE)	6	18
5	OPEN WORKSHOP	24	135
6	ADMIN ROOM	3	45
7	ADMIN WC	1	9
8	PRAY AREA (MALE)	20	18
9	PRAY AREA (FEMALE)	20	18
10	REST DORM (MALE)	20	18
11	REST DORM (FEMALE)	20	18
12	CHANGING ROOM (MALE)	20	18
13	CHANGING ROOM (FEMALE)	20	18
14	M&E ROOM		225
15	GARBAGE DISPOSAL	4	36
16	LOADING DOCK		69.753
17	JANITOR ROOM	3	9
	TOTAL		1679.753

COMMERCIAL

NO.	SPACES	MAX. PAX.	AREA IN DESIGN (m^2)
1	VENDING MACHINE NOOK	20	27
2	ATM NOOK	20	18
3	CAFE	20	216
4	D.I.Y. LAUNDRY	20	36
5	HARDWARE STORE	20	72
6	CYBER CAFE	20	45
7	PRINT SHOP	20	36
	TOTAL		450
	GRAND TOTAL		2129.753



MAINTENANCE FLOOR PLAN

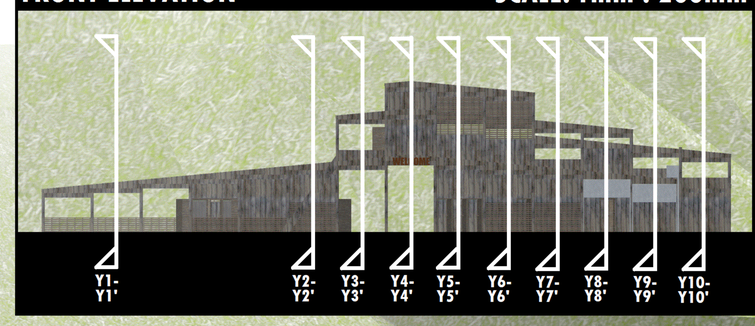
SCALE: 1mm : 400mm

N

Q

FRONT ELEVATION

SCALE: 1mm : 200mm



SECTION Y1-Y1'

SCALE: 1mm : 400mm

SECTION Y2-Y2'

SCALE: 1mm : 400mm



SECTION Y3-Y3'

SCALE: 1mm : 400mm



SECTION Y4-Y4'

SCALE: 1mm : 400mm



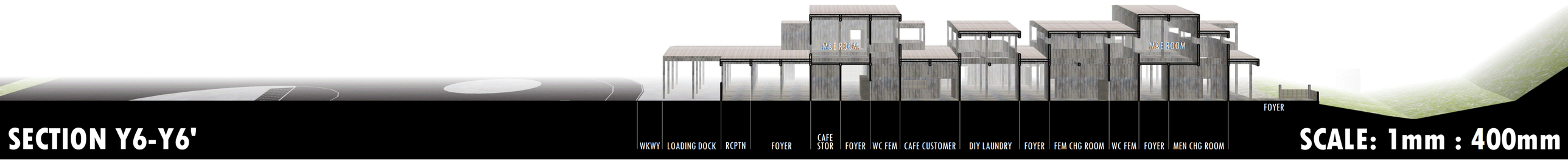
SECTION Y5-Y5'

SCALE: 1mm : 400mm



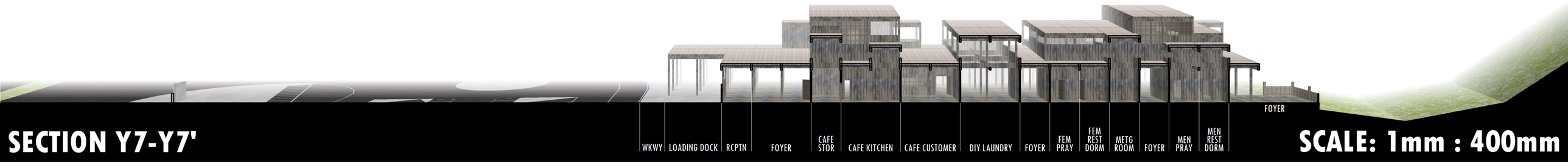
SECTION Y6-Y6'

SCALE: 1mm : 400mm



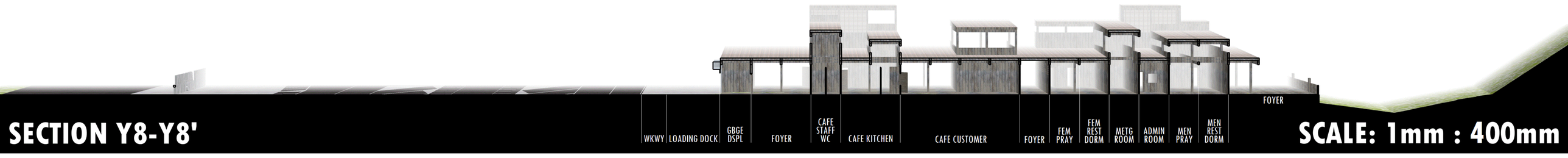
SECTION Y7-Y7'

SCALE: 1mm : 400mm



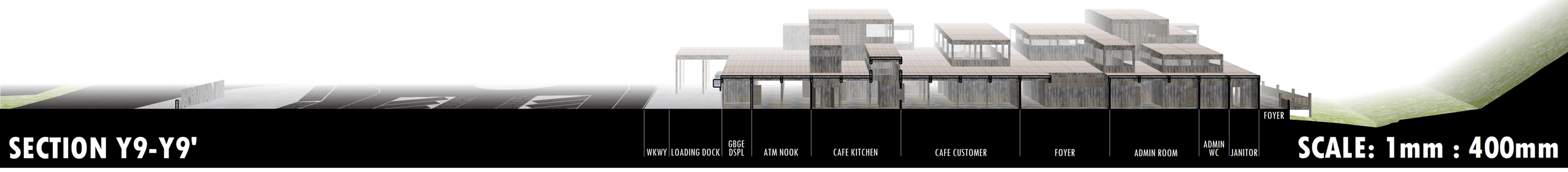
SECTION Y8-Y8'

SCALE: 1mm : 400mm



SECTION Y9-Y9'

SCALE: 1mm : 400mm



SECTION Y10-Y10'

SCALE: 1mm : 400mm

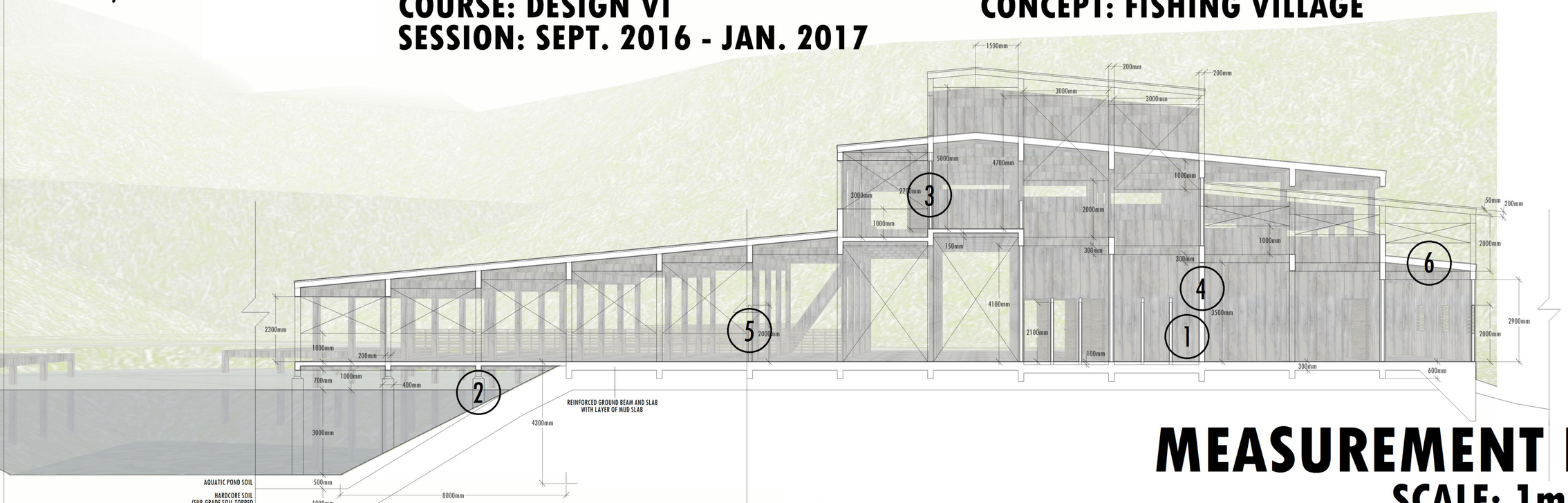


STRIP NO.

7

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EN. JASMIN ABDULLAH
CONCEPT: FISHING VILLAGE

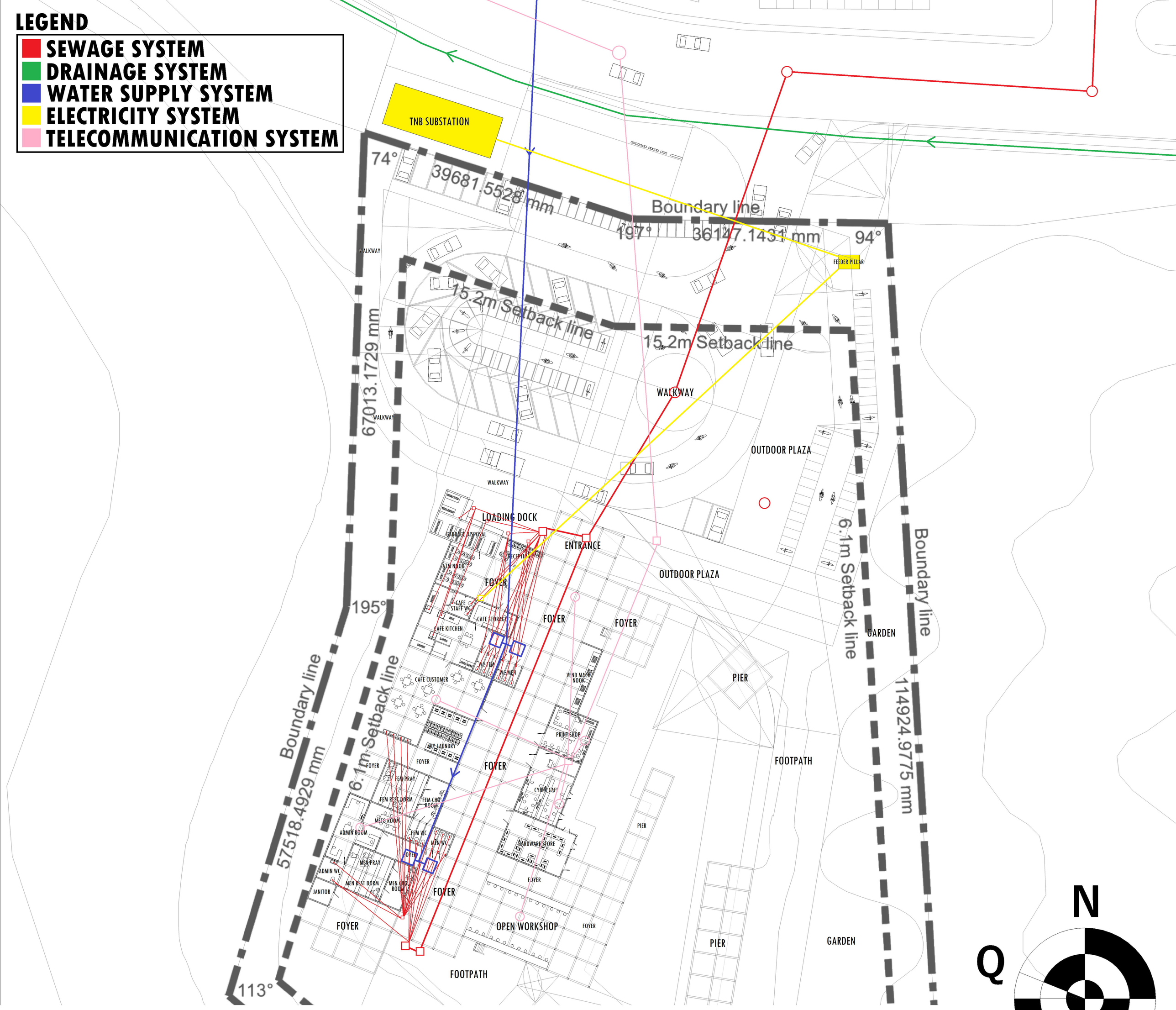


MEASUREMENT DETAILS
SCALE: 1mm : 150mm

TECHNICAL DETAILS
SCALE: 1mm : 20mm

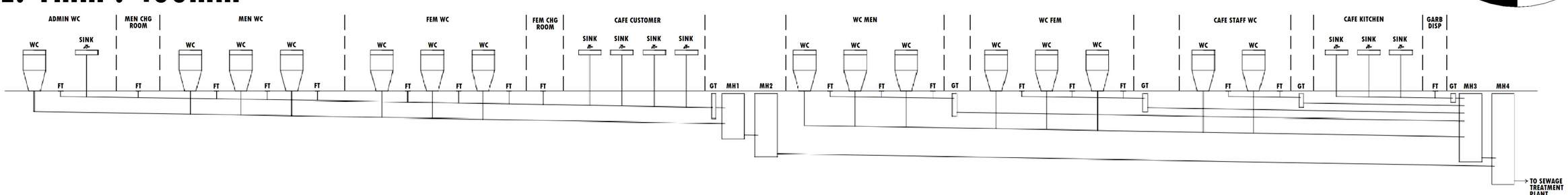
LEGEND

- SEWAGE SYSTEM
- DRAINAGE SYSTEM
- WATER SUPPLY SYSTEM
- ELECTRICITY SYSTEM
- TELECOMMUNICATION SYSTEM



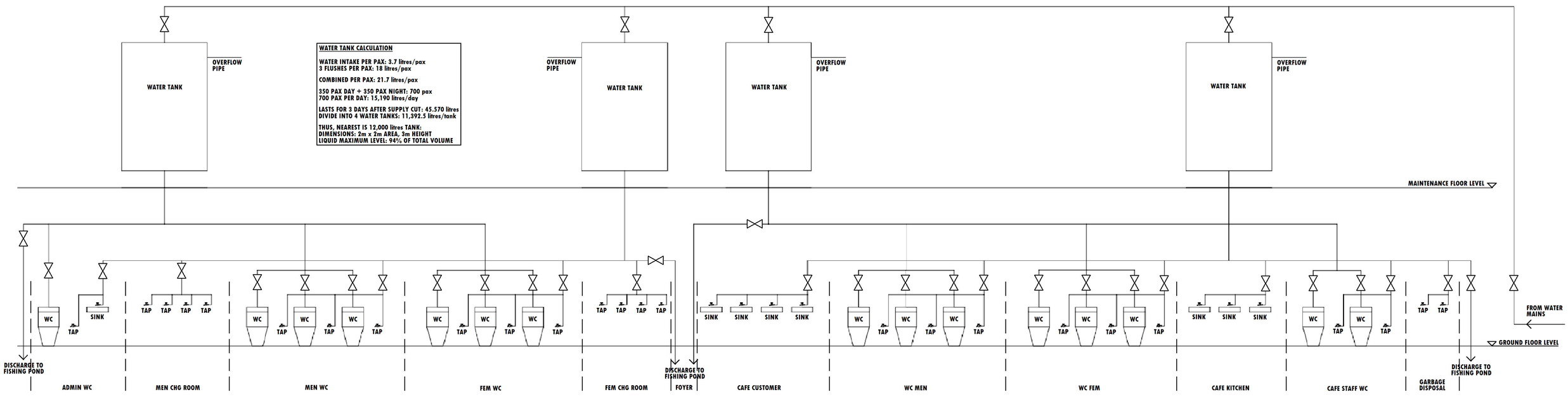
BUILDING SERVICES PLAN

SCALE: 1mm : 400mm



SEWAGE FLOW DIAGRAM

SCALE: 1mm : 100mm



WATER SUPPLY FLOW DIAGRAM

SCALE: 1mm : 100mm

STRIP NO.

8

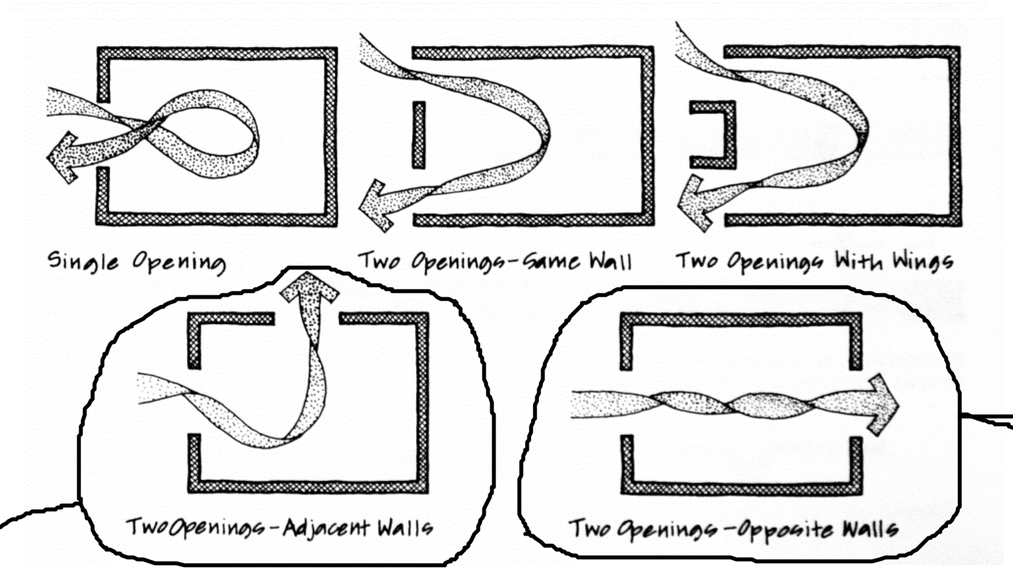
WHO ARE YOU?
NAME: ABDUL QAYYUM BIN ABD MUIS
NO. MTX.: 2012866698
HOME: TMN. KAJANG IMPIAN,
BDR. BRU. BANGI, SEL.
COURSE: DESIGN VI
SESSION: SEPT. 2016 - JAN. 2017

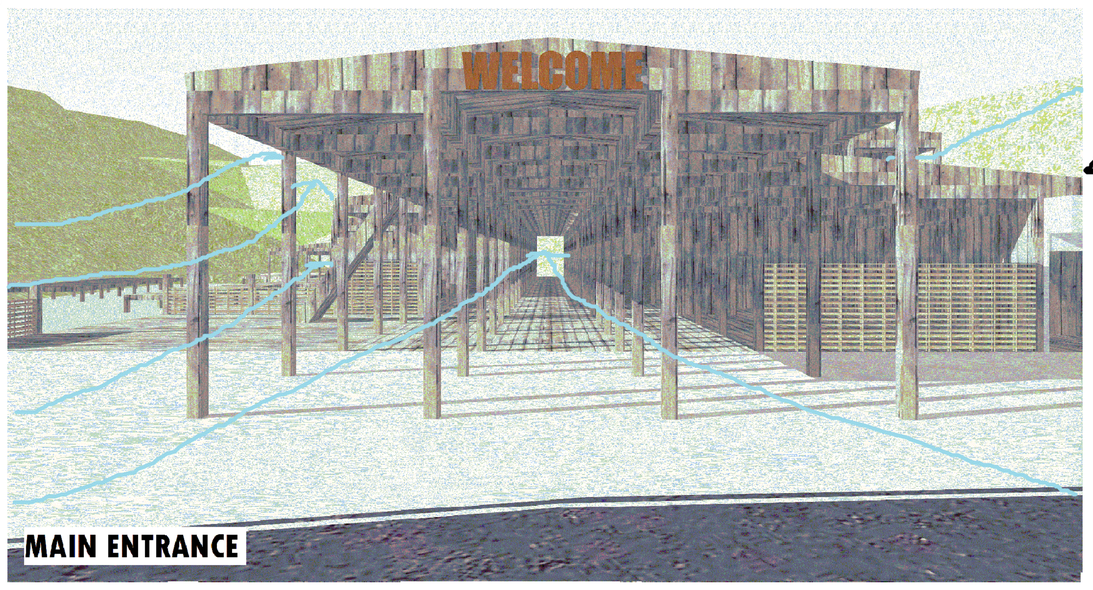
STUDIO LDR.: SHARIFAH ASMAH TUAN MAT
TUTOR: ASOC. PROF. HJ. AHMAD RIDZWAN OTHMAN
ADDITIONAL INSTRUCTORS | AR. ABDULLAH SHAHDAN
TUAN HJ. ABU BAKAR RAUB
EN. JASMIN ABDULLAH
CONCEPT: FISHING VILLAGE

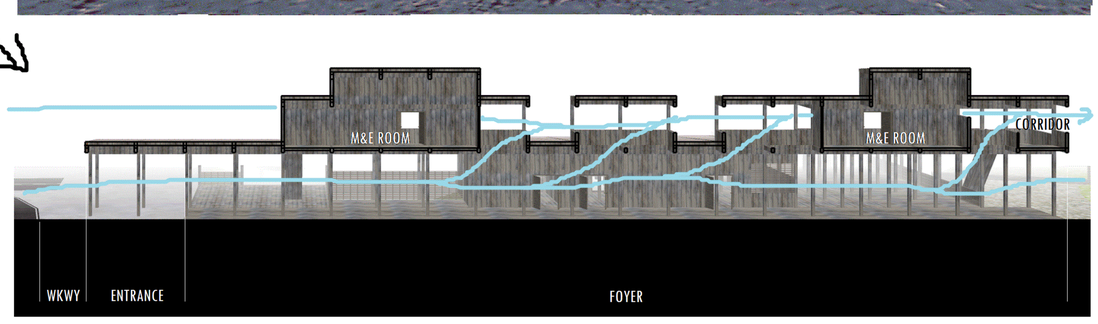
SUSTAINABILITY

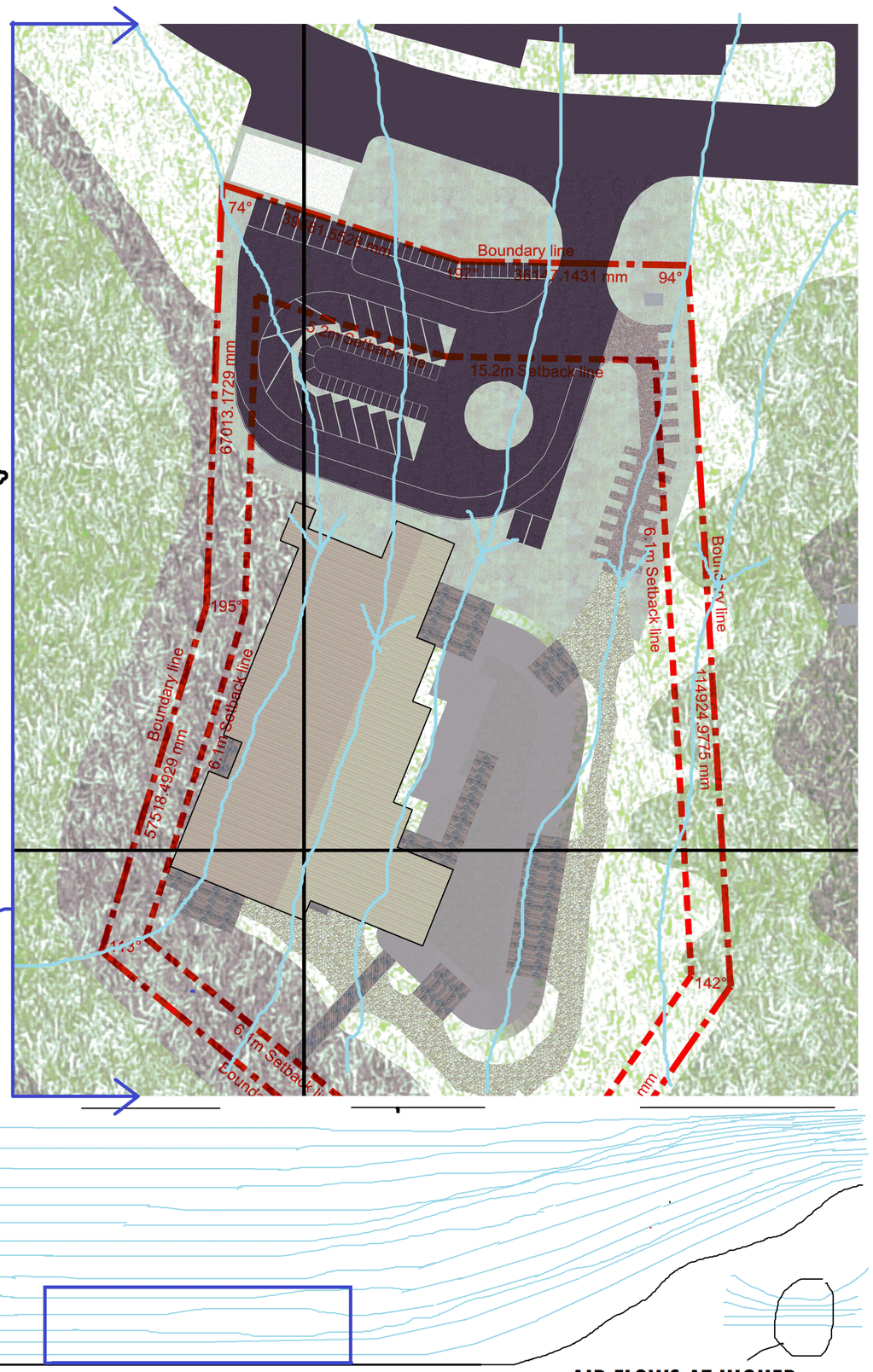
DESIGN

1) CROSS VENTILATION



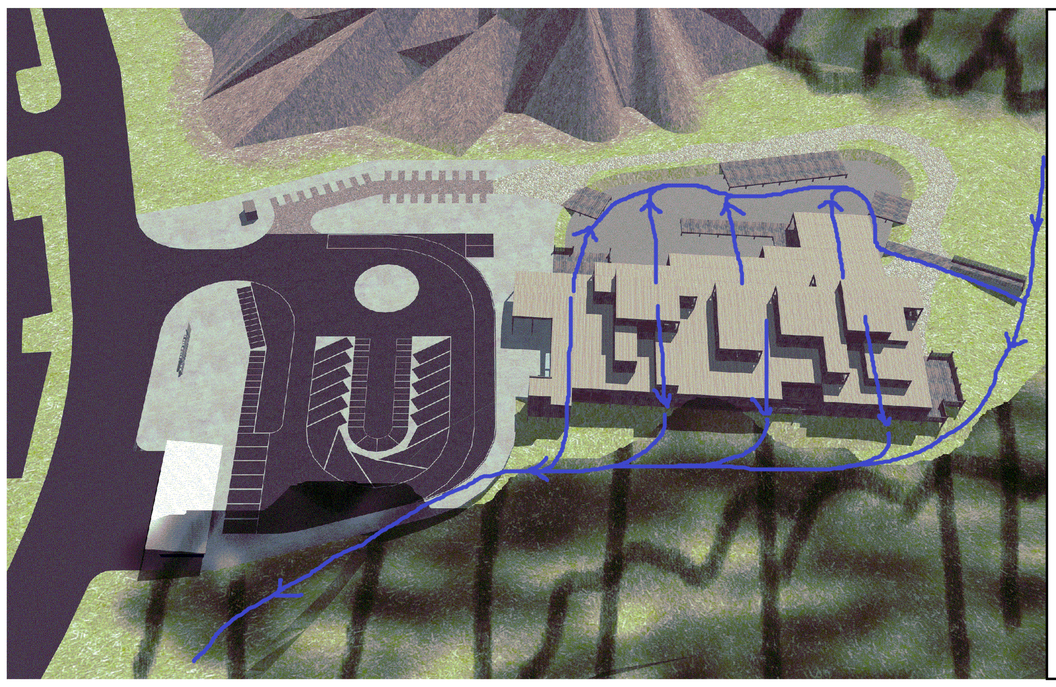






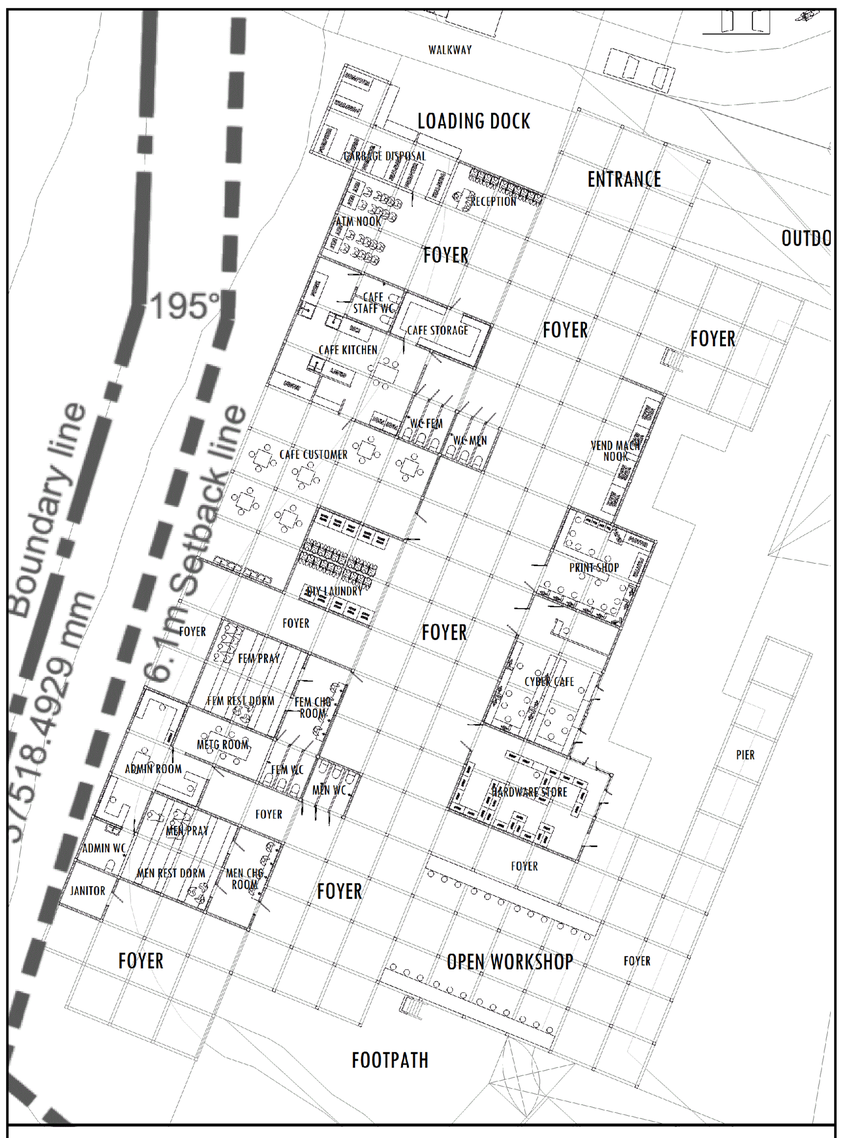
AIR FLOWS AT HIGHER volume/sec THRU SMALLER CROSS-SECTION DIAMETER

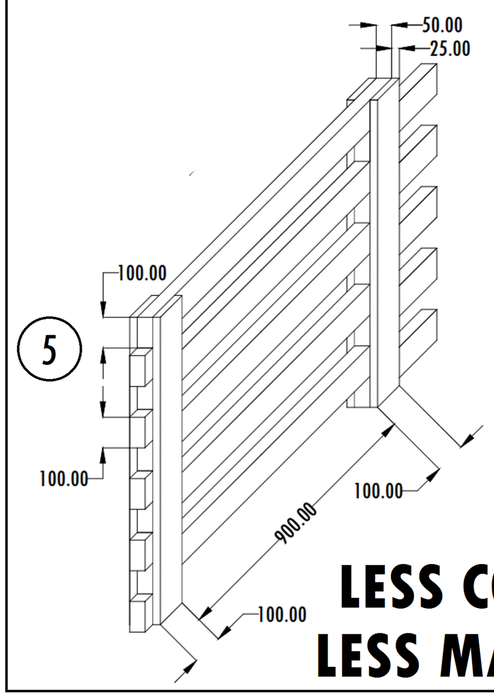
2) AVOIDING PERIPHERALS AS MUCH AS POSSIBLE



ROOF SLOPED DIRECTLY TO POOL OR NATURAL DRAIN

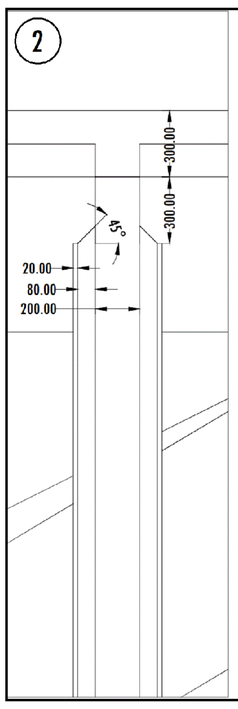
NO NEED FOR GUTTER





POETIC DETAILINGS

LESS COMPONENTS
LESS MAINTENANCE



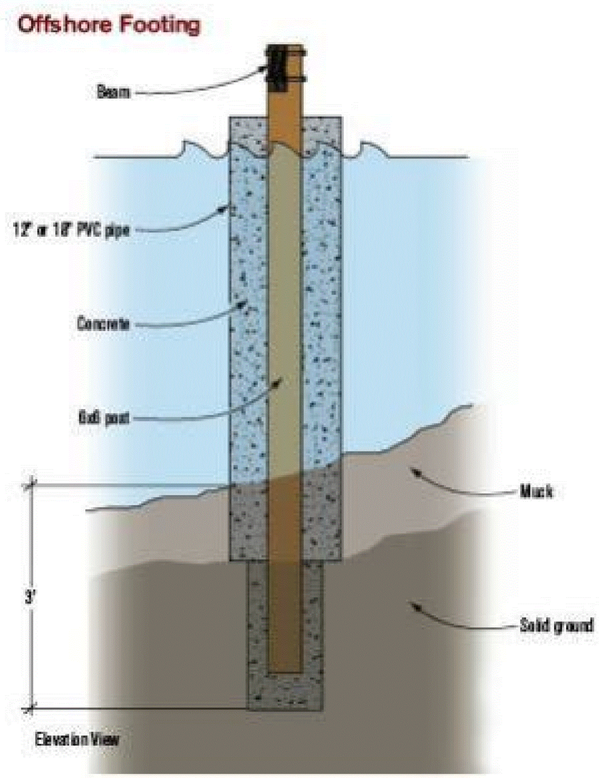
VERNACULAR APPROACH TO DETAILING

FORM RESULTED FROM NEEDS, NOT PRECONCEIVED

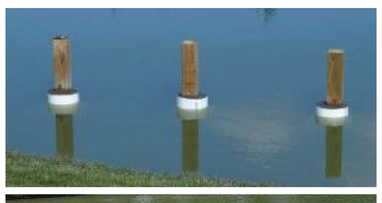
DESIGNED USING INDUSTRIALISED BUILDING SYSTEM (IBS) MINDSET

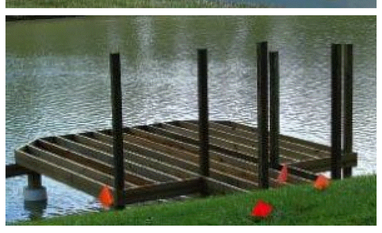
CONSTRUCTION

1) FOR ANY COLUMN THAT TOUCHES WATER





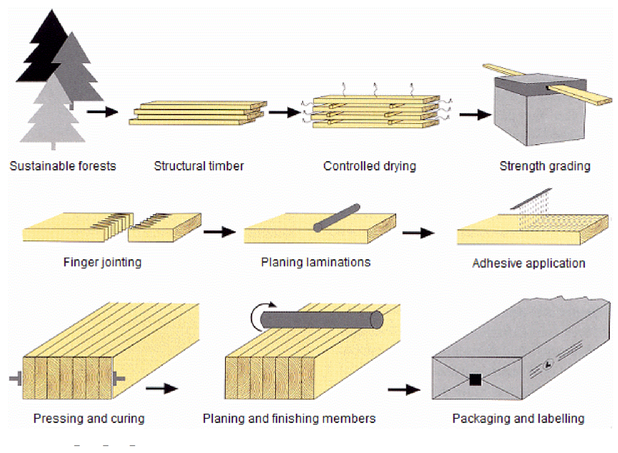


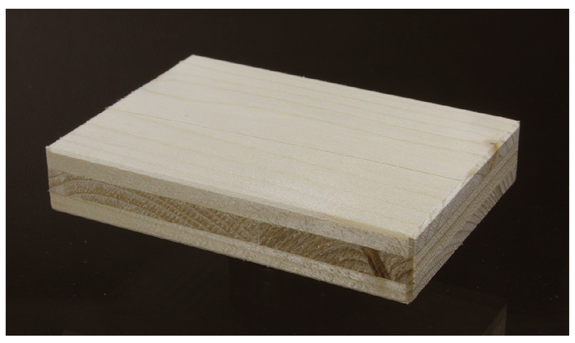


PREVENTS WOOD ROT AND LOSS OF STRENGTH
1) BEING ENCASED IN WATERPROOF MATERIAL
2) REINFORCED BY MATERIAL EXCELLENT IN COMPRESSIVE STRENGTH

2) FOR SUPERSTRUCTURE:

ENGINEERED TIMBER: CROSS-LAMINATED TIMBER

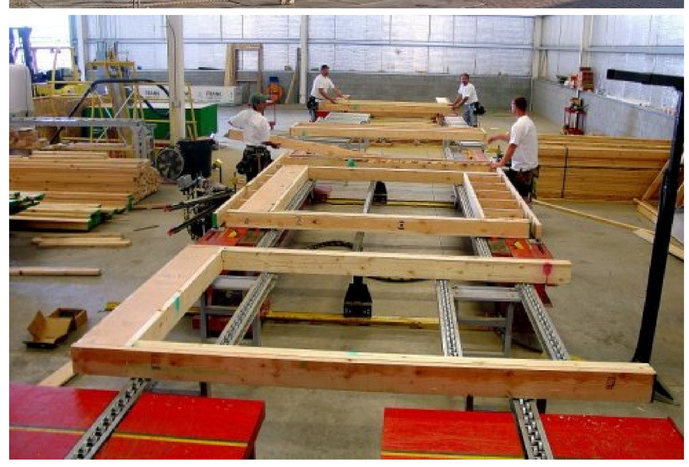




1) CLT BEING WOOD, IS LIGHTER THAN CONCRETE OR BRICK
2) SHORTER SET-UP TIME DUE TO PREFABRICATED PROCESS
3) HAS EXCELLENT STRENGTH IN COMPRESSION AND STRESS DUE TO ABLE TO WITHSTAND FORCES IN FOUR DIRECTIONS.

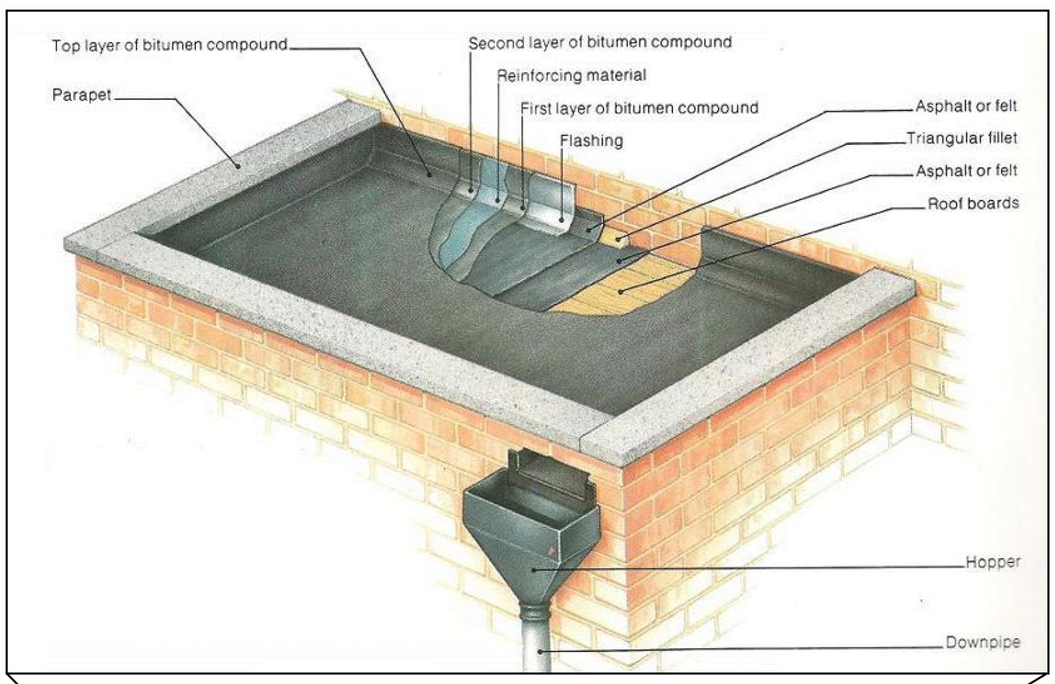
PREFABRICATED ASSEMBLY

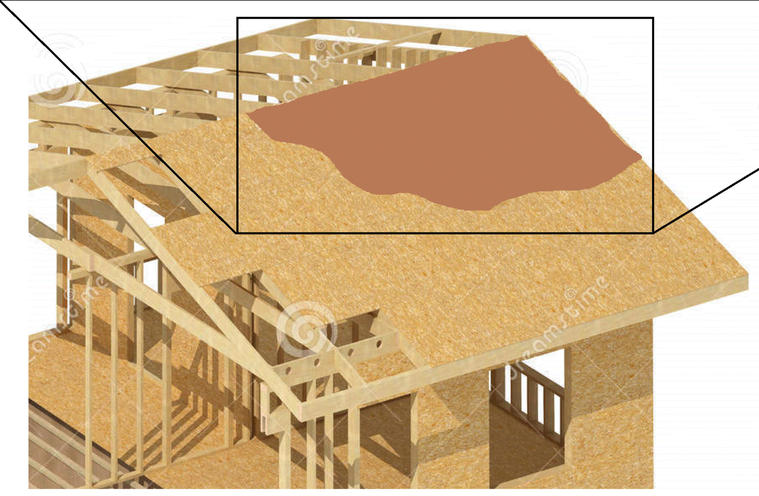




REPETITOUS, MONTONOUS NATURE OF PLAN CALLS FOR MASS PRODUCTION OF STRUCTURAL ELEMENTS. BENEFITS OF MASS PRODUCTION APPLY HERE.

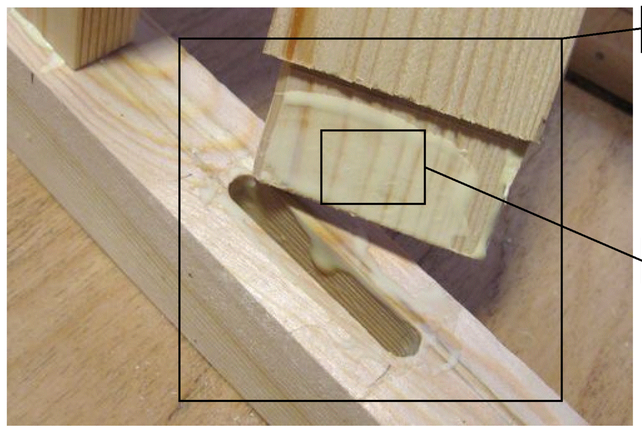
3) FOR ROOF: WOOD PANELS WITH SINGLE PLY COLOURED BITUMEN ROOF





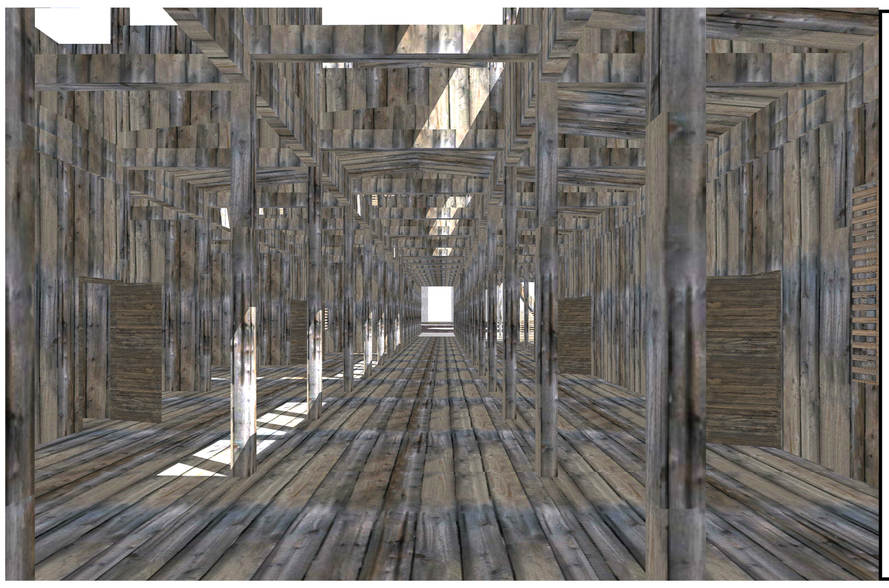
EASIEST TO MAKE - ALL SCREED AND MEMBRANE
CAN BE REPAIRED AD HOC IN PATCHES
CAN BE REMOVED EASILY

JOINTING: MORTISE AND TENON METHOD WITH WOOD GLUE ADHESIVE



MORTISE AND TENON:
LESS YIELDING BEFORE FAILURE THAN SCREW JOINTS.
LESS SURFACE FOR WOOD GLUE.
OUTPREFORMED DOWELS BY 25%
WOOD GLUE: TITEBOND 3
WATERPROOF
STRONGEST FOR FURNITURE JOINTS
SOURCE: MATTHIAS WANDEL

MANAGEMENT



SPACES INSIDE INVITING AND HAS A CONTEXTUAL STORYBOARD

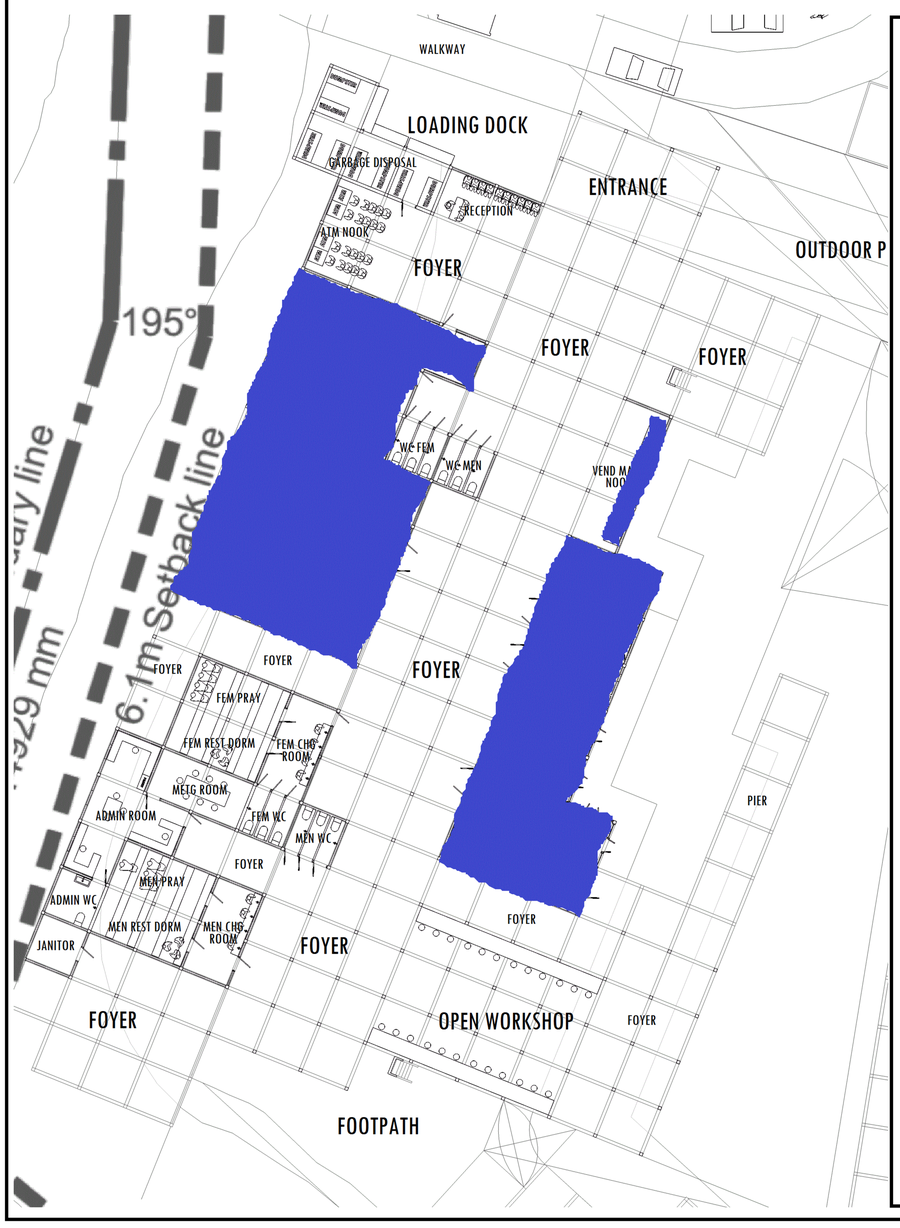
ENCOURAGES STUDENTS TO SPEND TIME AND MONEY

MAINTENANCE



M&E SET ASIDE IN A ROOM AND ROOF ACCESSIBLE BY CORRIDOR (~)

NO NEED TO SPEND MILLIONS JUST TO GET WORKERS TO TANK AND ROOF



HAS COMMERCIAL INSTITUTIONS ( )

ABLE TO FINANCE MAINTENANCE AND ENSURE CONTINUOUS OPERATION